

AO-V-532-Water 8W/10W



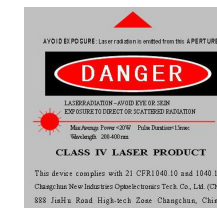
**LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER**

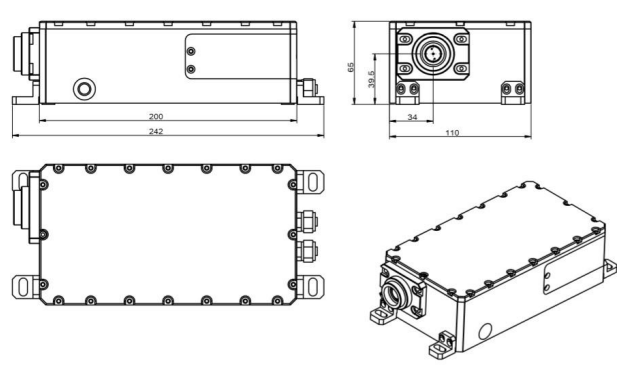
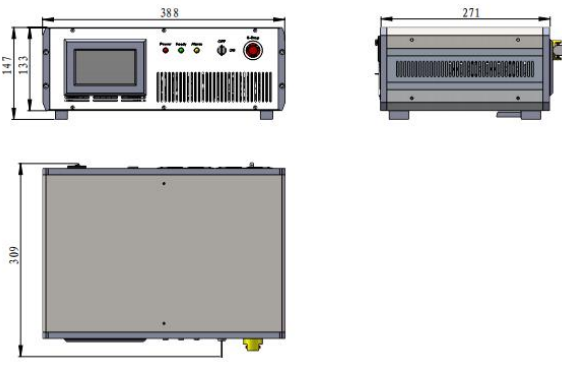

All solid state AOM Q-switched laser at 532 nm has the features of high peak power, high repetition rate, and short pulse duration, which is in marking on materials that are hard, such as highly reflective metals: silver and gold; semiconductors: including silicon, gallium arsenide and germanium, and rubbers such as silicone.



SPECIFICATIONS

Wavelength (nm)	532±1	
Operating mode	Acousto-Optic Q-switched	
Average power (W)	8W@30kHz	10W@30kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (μJ)	>300μJ @30kHz	
Rep. rate (kHz)	20~200	
Pulse width (ns)	~12 @30kHz	
Warm-up time (minutes)	<10	
Transverse mode	TEM ₀₀	
Beam Circularity (%)	>90	
Beam divergence, full angle (mrad)	<2	
Beam diameter at the aperture (1/e ² , mm)	0.8±0.1	
Beam quality (M ²)	<1.2	
Beam height from base plate (mm)	39.5	
Cooled method	Water Cooled	
Operating temperature (°C)	10~35	
Power supply (220/110VAC)	PSU-AOM(3U)	



AO-V-532-Water	PSU-AOM(3U)	Water Chiller (WHC-580)
 <p>242 (L) × 110 (W) × 65 (H) mm³, 2.9 kg</p>	 <p>388 (L) × 309 (W) × 147 (H) mm³, 9.6 kg</p>	 <p>363.8 (L) × 253.2 (W) × 230.6 (H) mm³, 10.5 kg</p>